

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011722\
 Data File : VU046761.D
 Acq On : 17 Jan 2022 12:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050162

Quant Time: Jan 18 02:07:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 12 04:49:52 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	189866	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	184020	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	98199	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	71510	43.161	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.320%
7) Chloroethane-d5	1.919	69	54789	44.514	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.020%
11) 1,1-Dichloroethene-d2	2.575	63	126395	44.854	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.700%
21) 2-Butanone-d5	4.642	46	113966	93.984	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.980%
24) Chloroform-d	5.067	84	136032	46.574	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.140%
26) 1,2-Dichloroethane-d4	5.706	65	85912	46.380	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.760%
32) Benzene-d6	5.729	84	266413	46.391	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.780%
36) 1,2-Dichloropropane-d6	6.693	67	81179	46.329	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.660%
41) Toluene-d8	7.899	98	254082	49.490	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.980%
43) trans-1,3-Dichloroprop...	8.182	79	43469	51.493	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.980%
47) 2-Hexanone-d5	8.636	63	96373	103.529	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.530%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	129806	47.832	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.660%
66) 1,2-Dichlorobenzene-d4	12.195	152	98874	48.659	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	115383	65.967	ug/L	100
3) Chloromethane	1.523	50	92660	59.529	ug/L	100
5) Vinyl chloride	1.607	62	96399	59.751	ug/L	99
6) Bromomethane	1.861	94	61489	60.163	ug/L	99
8) Chloroethane	1.938	64	55953	57.300	ug/L	96
9) Trichlorofluoromethane	2.144	101	130068	54.773	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	72022	53.928	ug/L	98
12) 1,1-Dichloroethene	2.584	96	68580	54.535	ug/L	93
13) Acetone	2.658	43	79085	68.530	ug/L	100
14) Carbon disulfide	2.800	76	209085	55.933	ug/L	99
15) Methyl Acetate	2.957	43	81814	55.505	ug/L	98
16) Methylene chloride	3.051	84	78341	50.572	ug/L	97
17) trans-1,2-Dichloroethene	3.359	96	71579	54.443	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	225664	57.770	ug/L	99
19) 1,1-Dichloroethane	3.874	63	125548	52.358	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	78762	55.896	ug/L	95
22) 2-Butanone	4.723	43	122680	93.249	ug/L	99
23) Bromochloromethane	4.976	128	42076	55.862	ug/L	94
25) Chloroform	5.092	83	136801	52.232	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	104947	52.154	ug/L	98
29) Cyclohexane	5.394	56	111490	56.995	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	123634	54.922	ug/L	99
31) Carbon tetrachloride	5.530	117	108525	55.656	ug/L	99
33) Benzene	5.777	78	297152	54.288	ug/L	100
34) Trichloroethene	6.546	95	75857	52.837	ug/L	98
35) Methylcyclohexane	6.767	83	129355	58.020	ug/L	98
37) 1,2-Dichloropropane	6.793	63	75013	53.558	ug/L	99
38) Bromodichloromethane	7.108	83	103778	53.878	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	120748	56.026	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	214846	112.206	ug/L	99
42) Toluene	7.973	91	327338	56.704	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	121127	57.930	ug/L	100
45) 1,1,2-Trichloroethane	8.404	97	77172	53.926	ug/L	98
46) Tetrachloroethene	8.555	164	62516	57.392	ug/L	96
48) 2-Hexanone	8.687	43	173885	107.143	ug/L	98
49) Dibromochloromethane	8.812	129	87538	55.695	ug/L	99
50) 1,2-Dibromoethane	8.925	107	86935	58.279	ug/L	100
51) Chlorobenzene	9.449	112	207987	55.430	ug/L	99
52) Ethylbenzene	9.571	91	353735	57.760	ug/L	100
53) m,p-Xylene	9.697	106	140984	59.606	ug/L	97
54) o-xylene	10.102	106	134856	59.625	ug/L	99
55) Styrene	10.115	104	235968	59.618	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	134868	53.885	ug/L	99
59) Bromoform	10.295	173	68034	57.013	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	111706	54.058	ug/L	99
61) Isopropylbenzene	10.488	105	358288	59.730	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	311211	61.718	ug/L	100
63) 1,2,4-Trimethylbenzene	11.471	105	311916	62.083	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	170733	56.786	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	170700	54.488	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	167203	55.331	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	33865	54.746	ug/L	91
69) 1,3,5-Trichlorobenzene	13.221	180	128200	55.672	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	112111	56.953	ug/L	100
71) Naphthalene	14.089	128	393930	61.531	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	114125	57.375	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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